

9

AN - 1999-586119 [50]
AP - JP19980057769 19980310
CPY - MITY
DC - A89 E23 G08 P84
FS - CPI;GMPI
IC - C09B47/04 ; C09B67/04 ; C09B67/12 ; C09B67/22 ; C09B67/50 ; G03G5/06
MC - A12-L05D E23-B E25 G06-F06
PA - (MITY) MITSUBISHI PAPER MILLS LTD
PN - JP11256061 A 19990921 DW199950 C09B67/50 042pp
PR - JP19980057769 19980310
XA - C1999-171169
XIC - C09B-047/04 ; C09B-067/04 ; C09B-067/12 ; C09B-067/22 ; C09B-067/50 ;
G03G-005/06
XP - N1999-433195
AB - JP11256061 NOVELTY - A mixture of titanyl oxyphthalocyanine and
electric charge generating organic substance is amorphized and
processed using a solvent. The phthalocyanine crystal obtained shows
maximum peak at Bragg angle (2 theta plus or minus 0.2 deg.) of 27.2
deg. when CuK alpha 1.541 Angstrom of X-rays is used.
- DETAILED DESCRIPTION - A mixture of titanyl oxyphthalocyanine and
electric charge generating organic substance (other than
phthalocyanine) is amorphized by mechanical milling and amorphous
product obtained is processed using water, halogenated hydrocarbon
group solvent or hydrocarbon group solvent and water. The
phthalocyanine crystal obtained shows maximum peak at Bragg angle (2
theta plus or minus 0.2 deg.) of 27.2 deg. when CuK alpha 1.541
Angstrom of X-rays is used.
- An INDEPENDENT CLAIM is also included for novel phthalocyanine crystal
which consists of an electric charge generating organic substance
other than phthalocyanine and phthalocyanine.
- USE - For electrophotographic photoreceptors (having a sensitization
layer of phthalocyanine crystal, formed on a conductive support
(claimed)) of copiers, high-speed printers, electrostatic recording
element, sensor element, electroluminescence element, microfilms etc.
- ADVANTAGE - Electrophotographic photoreceptor using phthalocyanine
crystal has excellent characteristics such as electrification
potential and sensitivity. The dispersion liquid of phthalocyanine
crystal has excellent stability.
- (Dwg.0/11)
IW - MANUFACTURE NOVEL PHTHALOCYANINE CRYSTAL ELECTROPHOTOGRAPHIC
PHOTORECEIVER PROCESS MIXTURE TITANYL ELECTRIC CHARGE GENERATE
ORGANIC
SUBSTANCE
IKW - MANUFACTURE NOVEL PHTHALOCYANINE CRYSTAL ELECTROPHOTOGRAPHIC
PHOTORECEIVER PROCESS MIXTURE TITANYL ELECTRIC CHARGE GENERATE
ORGANIC
SUBSTANCE
NC - 001
OPD - 1998-03-10
ORD - 1999-09-21
PAW - (MITY) MITSUBISHI PAPER MILLS LTD
TI - Manufacture of novel phthalocyanine crystal for electrophotographic
photoreceptors - involves amorphizing and processing mixture of
titanyl oxyphthalocyanine and electric charge generating organic
substance
A01 - [001] 018 ; P0839-R F41 D01 D63 ; S9999 S1627 S1605
- [002] 018 ; ND01 ; K9574 K9483 ; K9676-R ; K9698 K9676 ; K9712

K9676 ; Q9999 Q6791 ; Q9999 Q8617-R Q8606 ; Q9999 Q8662 Q8606 ;
N9999 N7090 N7034 N7023 ; N9999 N7147 N7034 N7023 ; Q9999 Q8833
Q8775 ; B9999 B5243-R B4740
- [003] 018 ; R00437 G1525 D01 D11 D10 D50 D84 F23 ; A999 A475